

HYDRAULIC HOSES

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 **HYDREX**

R1T



Application: Medium pressure hydraulic oil lines;
Meets or exceeds requirements of SAE100R1AT

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
R1T-04	1/4	0.557	2750	11000	4.00	0.14
R1T-05	5/16	0.619	2500	10000	4.50	0.17
R1T-06	3/8	0.713	2250	9000	5.00	0.23
R1T-08	1/2	0.846	2000	8000	7.00	0.28
R1T-10	5/8	0.971	1500	6000	8.00	0.34
R1T-12	3/4	1.127	1250	5000	9.50	0.43
R1T-16	1	1.440	1000	4000	12.00	0.65
R1T-20	1-1/4	1.766	625	2500	16.50	0.85
R1T-24	1-1/2	2.047	500	2000	20.00	1.07
R1T-32	2"	2.594	375	1500	25.00	1.49

R2T



Application: Medium pressure hydraulic oil lines;
Meets or exceeds requirements of SAE100R2AT

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
R2T-04	1/4	0.619	5000	20000	4.00	0.25
R2T-05	5/16	0.682	4250	17000	4.50	0.30
R2T-06	3/8	0.777	4000	16000	5.00	0.36
R2T-08	1/2	0.908	3500	14000	7.00	0.42
R2T-10	5/8	1.034	2750	11000	8.00	0.53
R2T-12	3/4	1.190	2250	9000	9.50	0.66
R2T-16	1	1.531	2000	8000	12.00	0.99
R2T-20	1-1/4	1.953	1625	6500	16.50	1.60
R2T-24	1-1/2	2.203	1250	5000	20.00	1.69
R2T-32	2"	2.703	1125	4500	25.00	2.15

1SN



Application: Medium pressure hydraulic oil lines;
Meets or exceeds EN853-1SN

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (in)	Burst Pressure (in)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
1SN-04	1/4	0.557	3265	13060	4.00	0.14
1SN-05	5/16	0.619	3120	12480	4.50	0.17
1SN-06	3/8	0.713	2610	10440	5.00	0.23
1SN-08	1/2	0.846	2320	9280	7.00	0.28
1SN-10	5/8	0.971	1890	7560	8.00	0.34
1SN-12	3/4	1.127	1525	6100	9.50	0.43
1SN-16	1	1.440	1275	5100	12.00	0.65
1SN-20	1-1/4	1.766	915	3660	16.50	0.85
1SN-24	1-1/2	2.047	725	2900	20.00	1.07
1SN-32	2	2.594	580	2320	25.00	1.49

2SN



Application: Medium pressure hydraulic oil lines;
Meets or exceeds EN853-2SN

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (in)	Burst Pressure (in)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
2SN-04	1/4	0.619	5800	23200	4.00	0.25
2SN-05	5/16	0.682	5100	20400	4.50	0.30
2SN-06	3/8	0.777	4800	19200	5.00	0.36
2SN-08	1/2	0.908	4000	16000	7.00	0.42
2SN-10	5/8	1.034	3600	14400	8.00	0.53
2SN-12	3/4	1.190	3100	12400	9.50	0.66
2SN-16	1	1.531	2400	9600	12.00	0.99
2SN-20	1-1/4	1.953	1800	7200	16.50	1.60
2SN-24	1-1/2	2.203	1300	5200	20.00	1.69
2SN-32	2	2.703	1160	4640	25.00	2.15

R16



Application: Medium pressure hydraulic oil lines;
Meets requirements of SAE100R16

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F continuous;
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
R16-04	1/4	0.54	5000	20000	2.00	0.24
R16-06	3/8	0.69	4000	16000	2.50	0.30
R16-08	1/2	0.81	3500	14000	3.50	0.39
R16-10	5/8	0.95	2750	11000	4.00	0.47
R16-12	3/4	1.10	2250	9000	4.75	0.55
R16-16	1	1.36	2000	8000	6.00	0.82

R17



Application: Medium pressure hydraulic oil lines;
Meets requirements of SAE100R17

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: One or two high tensile steel wire braids

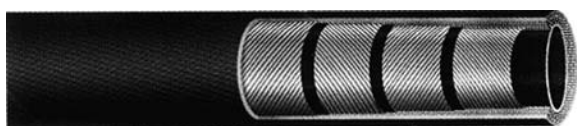
Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F continuous;
250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
*R17-04	1/4	0.48	3045	12180	2.00	0.16
*R17-06	3/8	0.62	3045	12180	2.50	0.23
R17-08	1/2	0.79	3045	12180	3.50	0.39
R17-10	5/8	0.94	3045	12180	4.00	0.49
R17-12	3/4	1.09	3045	12180	4.75	0.55
R17-16	1	1.48	3045	12180	6.00	0.82

*One wire braid

R12



Application: High pressure hydraulic oil lines for heavy duty service applications; Excellent flexibility and bend radius ; Meets SAE100R12

Construction:

Tube: Oil resistant synthetic rubber

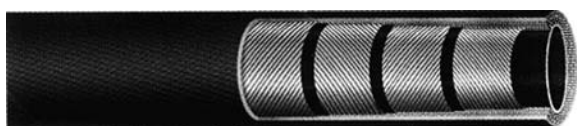
Reinforcement: Four plies of spirally wound high tensile wire separated by layers of rubber insulation

Cover: Synthetic rubber - Abrasion and oil resistant

Temperature Range: -40°F to +250°F

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
R12-08	1/2	0.94	4000	16000	7.00	0.54
R12-12	3/4	1.21	4000	16000	9.50	0.89
R12-16	1	1.50	4000	16000	12.00	1.30
R12-20	1 1/4	1.85	3000	12000	16.50	1.73
R12-24	1 1/2	2.10	2500	10000	20.00	1.98
R12-32	2	2.63	2500	10000	25.00	2.74

R9R



Application: High pressure hydraulic oil lines for heavy duty service applications; Excellent flexibility and bend radius

Construction:

Tube: Oil resistant synthetic rubber

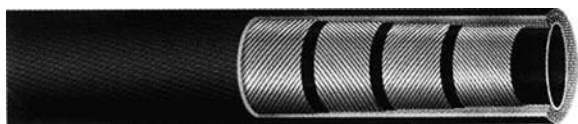
Reinforcement: Four plies of spirally wound high tensile wire separated by layers of rubber insulation

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/ 250°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
R9R-04	1/4	0.70	7000	28000	5.00	0.40
R9R-06	3/8	0.85	6450	25810	6.00	0.50
R9R-08	1/2	0.97	6015	24070	8.00	0.58
R9R-10	5/8	1.13	5100	20400	9.50	0.78
R9R-12	3/4	1.26	5100	20400	12.00	1.00
R9R-16	1	1.56	4400	17600	13.00	1.30
R9R-20	1-1/4	1.80	4000	16000	18.00	1.65
R9R-24	1-1/2	2.11	3700	14800	22.00	2.09
R9R-32	2	2.68	3000	12000	28.00	3.50

4SH



Application: High pressure hydraulic oil lines

Construction:

Tube: Oil resistant synthetic rubber

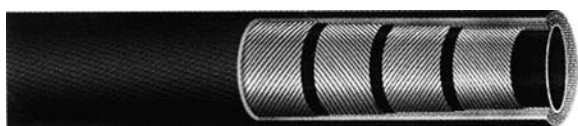
Reinforcement: Four plies of spirally wound high tensile wire separated by layers of rubber insulation

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +212°F constant/
257°F intermittent

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
4SH-12	3/4	1.260	6090	24360	11.0	1.10
4SH-16	1	1.524	5510	22040	14.0	1.40
4SH-20	1 1/4	1.791	5075	20300	18.0	1.67
4SH-24	1 1/2	2.106	4205	16820	22.0	2.10
4SH-32	2	2.681	3625	14500	28.0	3.51

R13



Application: High pressure hydraulic oil lines

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: Four or six plies of spirally wound high tensile wire separated by layers of rubber insulation

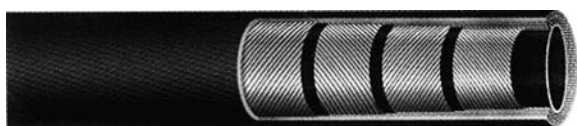
Cover: Synthetic rubber - Abrasion and oil resistant

Temperature Range: -40°F to +250°F constant

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
*R13-12	3/4	1.264	5000	20000	9.50	1.09
*R13-16	1	1.524	5000	20000	12.00	1.42
R13-20	1 1/4	1.961	5000	20000	16.50	2.52
R13-24	1 1/2	2.260	5000	20000	20.00	3.25
R13-32	2	2.800	5000	20000	25.00	5.05

**Four spiral wire*

R15



Application: High pressure hydraulic oil lines

Construction:

Tube: Oil resistant synthetic rubber

Reinforcement: Four or six plies of spirally wound high tensile wire separated by layers of rubber insulation

Cover: Synthetic black rubber - Abrasion and oil resistant

Temperature Range: -40°F to +250°F constant

Part Number	Nominal Hose I.D. (in)	Nominal Hose O.D. (in)	Working Pressure (psi)	Burst Pressure (psi)	Minimum Bend Radius (in)	Approx. Weight (lbs/ft)
*R15-12	3/4	1.268	6000	24000	10.50	1.09
*R15-16	1	1.528	6000	24000	13.00	1.46
R15-20	1 1/4	1.960	6000	24000	17.50	2.40
R15-24	1 1/2	2.250	6000	24000	21.00	3.02

**Four spiral wire*